



COFC

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION

Patent No.: US 6,824,639 B1

Hill et al.

Issued: November 30, 2004

Appln. No.: 09/890,570

Group Art Unit: 1734

Filed: September 25, 2001

Examiner: J. Lorengo

Title: PARTIAL IMAGING OF A SUBSTRATE WITH
SUPERIMPOSED LAYERS

January 26, 2005

* * * * *

REQUEST FOR CERTIFICATE OF CORRECTION
UNDER 35 U.S.C. §254 AND PURSUANT
TO 37 C.F.R. §1.322
(PTO Mistake)

Commissioner for Patents
Post Office Box 1450
Alexandria, VA 22313-1450

Certificate
FEB 01 2005
of Correction

Sir:

It is respectfully requested that a Certificate of Correction be issued in the above-captioned patent for a mistake made by the Patent and Trademark Office.

The Patent Office did not list the claim of priority to U.S. Provisional Application No. 60/118,480 filed February 3, 1999. Applicants claimed priority to this provisional application through the parent PCT application No. PCT/IB00/00267 filed February 3, 2000, the bibliographic page of which expressly claimed priority to this provisional application. Pursuant to 37 CFR 1.78(a)(5)(iii), Applicants claimed priority to this provisional application in paragraphs 3 and 23 of the Application Data Sheet filed with the present application on August 2, 2001. Applicants also claimed priority through their Rule 63 declaration filed on September 25, 2001. Copies of each of these documents are attached.

Best Available Copy

- 1 FEB 2005

1 FEB 2005

Attached are two properly completed Certificate of Correction Forms PTO/SB/44 showing the needed correction. It is requested that these forms be certified by the Commissioner, with one form being returned to the undersigned attorney.

It is respectfully submitted that the mistake was made by the Patent and Trademark Office in the printing of this patent. Accordingly, no fee is accompanying this Request.

Respectfully submitted,

PILLSBURY WINTHROP LLP

By: *Benjamin L. Kiersz*
Benjamin L. Kiersz
Reg. No.: 51875
Tel. No.: (703) 905-2114
Fax No.: (703) 905-2500

Post Office Box 10500
McLean, VA 22102
Tel. No.: (703) 905-2000

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6824639
DATED : November 30, 2004
INVENTOR(S) : ROLAND G HILL, ET AL

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On title page, item 60 Related U.S. Application Data
Add the following information:
--Provisional Application No. 60/118,480, filed on February 3, 1999.--.

MAILING ADDRESS OF SENDER:
PILLSBURY WINTHROP LLP
P.O. Box 10500
McLean, VA 22102

PATENT NO. 6824639

No. of additional copies



This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**UNITED STATES PATENT AND TRADEMARK
OFFICE CERTIFICATE OF CORRECTION**

PATENT NO : 6824639

DATED : November 30, 2004

INVENTOR(S) : ROLAND G HILL, ET AL

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is hereby corrected as shown below:

On title page, item 60 Related U.S. Application Data

Add the following information:

--Provisional Application No. 60/118,480, filed on February 3, 1999.--.

MAILING ADDRESS OF SENDER:

PILLSBURY WINTHROP LLP

P.O. Box 10500

McLean, VA 22102

PATENT NO. 6824639

No. of additional copies



This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

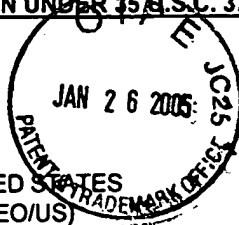
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

- 1 FEB 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
REQUEST FOR FILING NATIONAL PHASE OF
PCT APPLICATION UNDER 35 U.S.C. 371 AND 37 CFR 1.494 OR 1.495

097890570

To: Hon. Commissioner of Patents
Washington, D.C. 20231



00909

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)

Atty Dkt: P 268453 /
M# /Client Ref.

From: Pillsbury Winthrop LLP, IP Group:

Date: August 2, 2001

This is a **REQUEST** for FILING a PCT/USA National Phase Application based on:

1. International Application	2. International Filing Date	3. Earliest Priority Date Claimed
<u>PCT/IB00/00267</u> ↑ country code	<u>03</u> <u>February</u> <u>2000</u> Day MONTH Year	<u>03</u> <u>February</u> <u>1999</u> Day MONTH Year (use item 2 if no earlier priority)

4. Measured from the earliest priority date in item 3, this PCT/USA National Phase Application Request is being filed within:

(a) ☐ 20 months from above item 3 date (b) ☒ 30 months from above item 3 date,

(c) Therefore, the due date (unextendable) is August 3, 2001

Title of Invention PARTIAL IMAGING OF A SUBSTRATE WITH SUPERIMPOSED LAYERS

Inventor(s) HILL, Roland G.
and
CLARE, Andrew Walter N.

Applicant herewith submits the following under 35 U.S.C. 371 to effect filing:

☒ Please immediately start national examination procedures (35 U.S.C. 371 (f)).

8. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2)) is transmitted herewith (file in English but, if in foreign language, file only if not transmitted to PTO by the International Bureau) including:

- a. ☒ Request;
- b. ☒ Abstract;
- c. 54 pgs. Spec. and Claims;
- d. 17 sheet(s) Drawing which are ☐ informal ☒ formal of size ☒ A4 ☐ 11"

9. ☒ A copy of the International Application has been transmitted by the International Bureau.

10. A translation of the International Application into English (35 U.S.C. 371(c)(2))

- a. ☐ Is transmitted herewith including: (1) ☐ Request; (2) ☐ Abstract;
(3) _____ pgs. Spec. and Claims;
(4) _____ sheet(s) Drawing which are: ☐ informal ☐ formal of size ☐ A4 ☐ 11"
- b. ☒ Is not required, as the application was filed in English.
- c. ☐ Is not herewith, but will be filed when required by the forthcoming PTO Missing Requirements Notice per Rule 494(c) if box 4(a) is X'd or Rule 495(c) if box 4(b) is X'd.
- d. ☐ Translation verification attached (not required now).

- 1 FEB 2005

02 AUG 2001

11. ☒ Please see the attached Preliminary Amendment
12. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)), i.e., before 18th month from first priority date above in item 3, are transmitted herewith (file only if in English) including:
13. ☒ PCT Article 19 claim amendments (if any) have been transmitted by the International Bureau
14. ☐ Translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)), i.e., of claim amendments made before 18th month, is attached (required by 20th month from the date in item 3 if box 4(a) above is X'd, or 30th month if box 4(b) is X'd, or else amendments will be considered canceled).

15. **A declaration of the inventor (35 U.S.C. 371(c)(4))**
- a. ☐ is submitted herewith ☐ Original ☐ Facsimile/Copy
- b. ☒ is not herewith, but will be filed when required by the forthcoming PTO Missing Requirements Notice per Rule 494(c) if box 4(a) is X'd or Rule 495(c) if box 4(b) is X'd.

16. **An International Search Report (ISR):**
- a. Was prepared by ☒ European Patent Office ☐ Japanese Patent Office ☐ Other
- b. ☒ has been transmitted by the international Bureau to PTO.
- c. ☒ copy herewith (2 pg(s).) ☒ plus Annex of family members (1 pg(s).)

International Preliminary Examination Report (IPER):

- a. ☒ has been transmitted (if this letter is filed after 28 months from date in item 3) in English by the International Bureau with Annexes (if any) in original language.
- b. ☒ copy herewith in English.
- c.1 ☒ IPER Annex(es) in original language ("Annexes" are amendments made to claims/spec/drawings during Examination) including attached amended:
- c.2 ☒ Specification/claim pages #2-5, 8, 29, 34-35, 38-41, 43, and 48 claims #1-25
Dwg Sheets #3
- d. ☐ Translation of Annex(es) to IPER (required by 30th month due date, or else annexed amendments will be considered canceled).

Information Disclosure Statement including:

- a. ☒ Attached Form PTO-1449 listing documents
- b. ☐ Attached copies of documents listed on Form PTO-1449
- c. ☒ A concise explanation of relevance of ISR references is given in the ISR.

19. ☐ **Assignment document and Cover Sheet for recording are attached.** Please mail the recorded assignment document back to the person whose signature, name and address appear at the end of this letter.

20. ☐ Copy of Power to IA agent.

21. ☐ **Drawings** (complete only if 8d or 10a(4) not completed): sheet(s) per set: ☐ 1 set informal; ☐ Formal of size ☐ A4 ☐ 11"

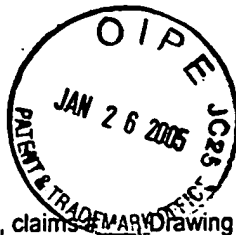
22. Small Entity Status ☒ is Not claimed ☐ is claimed (pre-filing confirmation required)
- 22(a) (No.) Small Entity Statement(s) enclosed (since 9/8/00 Small Entity Statements(s) not essential to make claim)

23. **Priority is hereby claimed under 35 U.S.C. 119/365 based on the priority claim and the certified copy, both filed in the International Application during the international stage based on the filing in (country) United States of America of:**

	<u>Application No.</u>	<u>Filing Date</u>		<u>Application No.</u>	<u>Filing Date</u>
(1)	60/118,480	3 February 1999	(2)		
(3)			(4)		
(5)			(6)		

- a. ☒ See Form PCT/IB/304 sent to US/DO with copy of priority documents. If copy has not been received, please proceed promptly to obtain same from the IB.
- b. ☐ Copy of Form PCT/IB/304 attached.

- 1 FEB 2005



24. Attached:

25 Per Item 17.c2, cancel original pages # ____, claims # ____, Drawing Sheets # ____26. Calculation of the U.S. National Fee (35 U.S.C. 371 (c)(1)) and other fees is as follows:Based on amended claim(s) per above item(s) ☐ 12, ☐ 14, ☐ 17, ☒ 25 (hilite)

Total Effective Claims	minus 20 =	x \$18/\$9 =	\$0	966/967
Independent Claims	minus 3 =	x \$80/\$40 =	\$0	964/965
If any proper (ignore improper) Multiple Dependent claim is present,		add \$270/\$135	+0	968/969

BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(4)): →→ BASIC FEE REQUIRED, NOW →→→→

A. If country code letters in item 1 are not "US", "BR", "BB", "TT", "MX", "IL", "NZ", "IN" or "ZA"

See item 16 re:

1. Search Report was <u>not</u> prepared by EPO or JPO -----	add \$1000/\$500		960/961
2. Search Report was prepared by EPO or JPO -----	add \$860/\$430	+0	970/971

SKIP B, C, D AND E UNLESS country code letters in item 1 are "US", "BR", "BB", "TT", "MX", "IL", "NZ", "IN" or "ZA"

→ <input checked="" type="checkbox"/> B. If USPTO did not issue <u>both</u> International Search Report (ISR) <u>and</u> (if box 4(b) above is X'd) the International Examination Report (IPER), -----	add \$1000/\$500	+1000	960/961
→ <input type="checkbox"/> C. If USPTO issued ISR but not IPER (or box 4(a) above is X'd), -----	add \$710/\$355	+0	958/959
→ <input type="checkbox"/> D. If USPTO issued IPER but IPER Sec. V boxes <u>not all</u> 3 YES, -----	add \$690/\$345	+0	956/957
→ <input type="checkbox"/> E. If international preliminary examination fee was paid to USPTO and Rules 492(a)(4) and 496(b) <u>satisfied</u> (IPER Sec. V <u>all</u> 3 boxes YES for <u>all</u> claims), -----	add \$100/\$50	+0	962/963

SUBTOTAL = \$1000

28. If Assignment box 19 above is X'd, add Assignment Recording fee of ---\$40 +0 (581)

29. Attached is a check to cover the ----- TOTAL FEES \$1000

Our Deposit Account No. 03-3975

Our Order No. 82127 268453
C# M#

00909

CHARGE STATEMENT: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 15-18 and 492 (missing or insufficient fee only) now or hereafter relative to this application and the resulting Official document under Rule 20, or credit any overpayment, to our Account/Order Nos. shown above for which purpose a duplicate copy of this sheet is attached.

This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal form is filedPillsbury Winthrop LLP
Intellectual Property Group

By Atty: Jack S. Barufka

Reg. No. 37087

Sig:

Fax: (703) 905-2500
Tel: (703) 905-2012

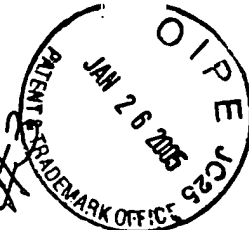
Atty/Sec: JSB/rsp

NOTE: File in duplicate with 2 postcard receipts (PAT-103) & attachments.

FOR UTILITY/DESIGN
CIP/PCT NATIONAL/PLA
ORIGINAL/SUBSTITUTE/SUPPLEMENTAL
DECLARATIONS

RULE 63 (37 C.F.R. 1.53)
DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PW
FORM



As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the INVENTION ENTITLED PARTIAL IMAGING OF A SUBSTRATE WITH SUPERIMPOSED LAYERS

the specification of which (CHECK applicable BOX(ES))
X A. ☐ is attached hereto.
BOX(ES) → B. ☒ was filed on August 2, 2001 as U.S. Application No. 09/
→ C. ☒ was filed as PCT International Application No. PCT/ IB00/00267 on February 3, 2000

and (if applicable to U.S. or PCT application) was amended on
I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. Except as noted below, I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International Application which designated at least one other country than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International Application, filed by me or my assignee disclosing the subject matter claimed in this application and having a filing date (1) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing date of this application:

PRIOR FOREIGN APPLICATION(S)	Date first Laid-open or Published	Date Patented or Granted	Priority NOT Claimed
Number Country	Day/MONTH/Year Filed		

If more prior foreign applications, X box at bottom and continue on attached page.
Except as noted below, I hereby claim domestic priority benefit under 35 U.S.C. 119(e) or 120 and/or 365(c) of the indicated United States applications listed below and PCT international applications listed above or below and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that disclosed in such prior applications, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of each such prior application and the national or PCT international filing date of this application:

PRIOR U.S. PROVISIONAL, NONPROVISIONAL AND/OR PCT APPLICATION(S)	Status	Priority NOT Claimed
Application No. (series code/serial no.)	pending, abandoned, patented	
Day/MONTH/Year Filed	Completed	
60/118,480	Patented	
PCT/IB00/00267		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint Pillsbury Winthrop LLP, Intellectual Property Group, telephone number (703) 805-2000 (to whom all communications are to be directed), and persons of that firm who are associated with USPTO Customer No. 909 (see below label) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to delete from that Customer No. names of persons no longer with their firm, to add new persons of their firm to that Customer No., and to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct the above Firm and/or an attorney of that Firm in writing to the contrary.

USE ONLY FOR
PILLSBURY WINTHROP



00909

Date: August 13, 2001

(1) INVENTOR'S SIGNATURE: X

Name	<u>George</u>	<u>Roland</u>	<u>HILL</u>
First	Middle Name	Family Name	
Residence	<u>Stockport, Cheshire SK7 2HE</u>	<u>UNITED KINGDOM</u>	<u>GBX</u> <u>UNITED KINGDOM</u>
City	State/Foreign Country	Country of Citizenship	
Mailing Address	<u>37B Bramhall Lane South, Bramhall, Stockport, Cheshire SK7 2DU UNITED KINGDOM</u>		
(include Zip Code)			

(2) INVENTOR'S SIGNATURE: X

Date: 20 August 2001

Name	<u>Andrew</u>	<u>Walter N.</u>	<u>CLARE</u>
First	Middle Name	Family Name	
Residence	<u>STONE, STAFFORDSHIRE</u>	<u>UNITED KINGDOM</u>	<u>UNITED KINGDOM</u>
City	State/Foreign Country	Country of Citizenship	
Mailing Address	<u>37B Bramhall Lane South, Bramhall, Stockport, Cheshire SK7 2DU UNITED KINGDOM</u>		
(include Zip Code)			

- ☐ FOR ADDITIONAL INVENTORS see attached page.
☐ See additional foreign priorities on attached page (incorporated herein by reference).

Atty. Dkt. No. P268453

(M#)



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : B44C 1/17, 3/00, B44F 1/10		A1	(11) International Publication Number: WO 00/46043
			(43) International Publication Date: 10 August 2000 (10.08.00)
(21) International Application Number: PCT/TB00/00267		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).	
(22) International Filing Date: 3 February 2000 (03.02.00)			
(30) Priority Data: 60/118,480 3 February 1999 (03.02.99) US			
(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application US 60/118,480 (CON) Filed on 3 February 1999 (03.02.99)			
(71) Applicant (for all designated States except US): CONTRA VISION LTD. [GB/GB]; 37B Brahmall Lane South, Bramhal, Stockport, Cheshire SK7 2DU (GB).		Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.	
(72) Inventors; and (75) Inventors/Applicants (for US only): HILL, Roland, G. [GB/GB]; 14 Pownall Avenue, Stockport, Cheshire SK7 2DU (GB). CLARE, Andrew, Walter, N. [GB/GB]; Contra Vision Ltd., 37B Brahmall Lane South, Bramhal, Stockport, Cheshire SK7 2DU (GB).			
(54) Title: PARTIAL IMAGING OF A SUBSTRATE WITH SUPERIMPOSED LAYERS			
(57) Abstract			
<p>A method of partially imaging an imaging surface of a substrate (50) with a plurality of layers of marking material (10) which have at least one common boundary within a print pattern that covers only certain portions of the substrate and not other portions of the substrate. The method includes applying initial superimposed layers of marking material (10) to a base layer (23) and removing portions of the initial superimposed layers of marking material and leaving the desired residual layer portions in the desired print pattern directly applied to the imaging surface of the substrate. The method typically includes the transfer of marking material onto the imaging surface of the substrate. The method has many variants, which can be used to make one-way or other vision control panels, typically using a ceramic ink decal carrier to image a glass sheet with ceramic ink that is then fused onto the glass, which is optionally tempered, in a suitable furnace. Other uses include security printing, seals and labels and a variety of display panels.</p>			